

INFORMATION DISCLOSURE CITATION

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 PTO Form 1449

Attorney Docket No. 056100-5005-01

Application No. 10/820,202

 Applicants: Pierre Broun *et al.*

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Application Filing Date: April 8, 2004

Group Art Unit: 1638

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
EM	5,850,026	12/15/1998	DeBonte <i>et al.</i>	800	281	07/03/1996
EM	6,372,965	04/16/2002	Lightner <i>et al.</i>	800	298	08/14/1998

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	
						YES	NO
EM	WO 94/11516 A1	05/26/1994	WIPO				
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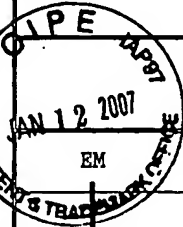
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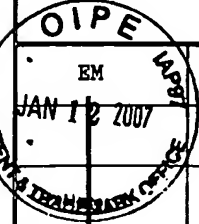


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<div style="text-align: center;">  </div>	<p>Puissant <i>et al.</i>, "An improvement of the single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction," <i>BioTechniques</i>, 8:148-149 (1990).</p> <p>Sambrook <i>et al.</i>, <i>Molecular Cloning: a Laboratory Manual</i>, 2n ed., Cold Spring Harbor Laboratory Press (1989).</p> <p>Schmidt <i>et al.</i>, "New in vitro and in vivo evidence for lipid-linked desaturation in plants," in <i>Biochemistry and Molecular Biology of Membrane and Storage Lipids of Plants</i>, eds. N. Murata and C.R. Somerville, American Society of Plant Physiologists, pp. 40-49 (1993).</p> <p>Smith <i>et al.</i>, "Evidence for cytochrome b₅ as an electron donor in ricinoleic acid biosynthesis in microsomal preparations from developing castor bean (<i>Ricinus communis</i> L.)," <i>Biochem. J.</i>, 287:141-144 (1992).</p> <p>Smith, "Unusual seed oils and their fatty acids," in <i>Fatty Acids</i>, Pryde E.H., Ed., American Oil Chemists' Society, Champaign, 2nd ed., pp. 29-47 (1985).</p> <p>Suzuki <i>et al.</i>, "Primary structure of xylene monooxygenase: similarities to and differences from the alkane hydroxylation system," <i>J. Bacteriol.</i>, 173:1690-1695 (1991).</p> <p>Thiede <i>et al.</i>, "Construction and Sequence of cDNA for Rat Liver Stearyl Coenzyme A Desaturase," <i>J. Biol. Chem.</i>, 261:13230-13235 (1986).</p> <p>van de Loo <i>et al.</i>, "An Oleate 12-hydroxylase from <i>Ricinus comunis</i> L. is a fatty acyl saturase homolog," <i>Proc. Natl. Acad. Sci. USA</i>, July 18, 1995; 92(15):6743-6747.</p> <p>van de Loo <i>et al.</i>, <i>Lipid Metabolism in Plants</i>, T.S. Moore Jr., Ed., CRC Press, Boca Raton, pp. 91-126 (1993).</p> <p>van de Loo <i>et al.</i>, "A plastid omega-3 desaturase from castor (<i>Ricinus communis</i> L.)," <i>Plant Physiol.</i>, 105:443-444 (1994).</p> <p>von Heijne, "Signal Sequences," <i>J. Mol. Biol.</i>, 184:99-105 (1985).</p> <p>Yadav <i>et al.</i>, "Cloning of higher plant 03 fatty acid desaturases," <i>Plant Physiol.</i>, 103:467-476 (1993).</p> <p>Topfer <i>et al.</i>, "Modification of plant lipid synthesis," <i>Science</i> 268: 681-686 (1995).</p> <p>Carlson <i>et al.</i>, "Analysis of Oil and Meat from <i>Lesquerella fendleri</i> Seed," <i>Am. Oil. Chem. Soc.</i> 67:495-498 (1990).</p> <p>Broun <i>et al.</i>, "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids," <i>Science</i> 282:1315-1317 (1998).</p> <p>Broun <i>et al.</i>, "A bifunctional oleate 12-hydroxylase: desaturase from <i>Lesquerella fendleri</i>," <i>Plant J.</i> 13(2):201-210 (1998).</p> <p>Broun <i>et al.</i>, "Accumulation of ricinoleic, lesquerolic, and densipolic acids in seeds of transgenic <i>Arabidopsis</i> plants that express a fatty acyl hydroxylase cDNA from castor bean," <i>Plant Physiol.</i> 113: 933-942 (1997).</p> <p>Cahoon <i>et al.</i>, "Redesign of soluble fatty acid desaturase from plants for altered substrate specificity and double bond position," <i>Proc. Natl. Acad. Sci. USA</i> 94: 4872-4877 1997).</p> <p>De Luca, "Molecular characterization of secondary metabolis pathways," <i>Biotech News and Information</i> 5:225N-229N (1997).</p> <p>Shanklin <i>et al.</i>, "Eight histidine residues are catalytically essential in a membrane-associated iron enzyme, stearyl-CoA desaturase, and are conserved in alkane hydroxylase and xylene monooxygenase," 1994, <i>Biochem.</i> 33: 12787-12794.</p> <p>Jones <i>et al.</i>, "Effective vectors for transformation, expression of heterologous genes, and assaying transposon excision in transgenic plants," <i>Transgenic Res.</i>, 1:285-297 (1992).</p> <p>Matzke <i>et al.</i>, "How and why do plants inactivate homologous (Trans) genes?" <i>Plant Physiol.</i> 107: 679-685 (1995).</p>

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